

# HTX COOLANT CI

Additive for cooling circuits / Corrosion inhibitor



TOTAL



*HTX COOLANT CI is an additive package for coolant fluid : it is an aqueous concentrate of specific organic corrosion and cavitation inhibitors.*

## Use

- Diluted at 10 % for racing application, **HTX COOLANT CI** will ensure protection against corrosion for the engine block and cooling circuits.
- The use of de-mineralized or de-ionized water is recommended to obtain a better performance of **HTX COOLANT CI**
- It is highly encouraged to blend **HTX COOLANT CI** with de-mineralized water before use to ensure a uniform and homogeneous mixture in cooling systems.
- The use of **HTX COOLANT CI** should be strictly conforming to the recommendation given in this technical datasheet.
- **HTX COOLANT CI** is a product used by several teams, notably in Formula 1. The fluid is also used and technically approved by Peugeot Sport and Citroen Racing.

## Characteristics

	Methods	Units	Typical Values
<b>COLOR</b>	Visual		Colorless
<b>DENSITY AT 20°C</b>	ASTM D 1122	kg/m <sup>3</sup>	1,05
<b>pH</b>	ASTM D 1287	Index	9,4
<b>CLOUD POINT</b>	-	°C	-15
<b>pH DILUTED TO 10% BY VOLUME</b>	ASTM D 1287	Index	8,1
<b>BOILING POINT TO 10% BY VOLUME</b>	ASTM D 86	°C	100,6
<b>THERMIC CONDUCTIVITY AT 20°C TO 10% BY VOLUME</b>	-	W/mK	0,58



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## Properties

ADVANTAGES		PROPERTIES
<b>Enhanced protections against corrosion and cavitation</b>	→	<b>HTX COOLANT CI</b> ensures higher protection against corrosion and cavitation than conventional « water treatment » products thanks to its organic additives technology.
<b>No deposit formation</b>	→	With its composition only based on organic additives, <b>HTX COOLANT CI</b> avoids to generate deposits, especially around top of liners, cylinder heads and heat exchanger tubes. As a results: - Heat transfers are sustained and cooling circuit cleanliness is maintained. - risk removal of pipe wear due to hard particles in circulation
<b>Environmental friendly</b>	→	<b>HTX COOLANT CI</b> does not contain any toxic substances such as monoethylene glycol (a routine ingredient of ordinary antifreezes)
<b>Improved time stability</b>	→	Thanks to the use of organic inhibitor additives more stable during time and which are not consumed, <b>HTX COOLANT CI</b> enabled to maintain its properties against corrosion and cavitation.
<b>Increased heat transfer</b>	→	Optimum protection level is obtained when <b>HTX COOLANT CI</b> is diluted into de-mineralized or de-ionized water, exempted of zinc, chlorides or sulfates.

## Recommendations

- A 10% dosage is recommended when **HTX COOLANT CI** is used to protect the cooling circuits of engines when these are being run in on the test bed and during periods of storage.
- In case of another cooling fluid had been used previously before **HTX COOLANT CI**, it is **highly necessary to drain the whole circuit (bleed down lower circuit parts and retention zones) and proceed to a detailed flush** with **HTX COOLANT CI** before its usage.
- After opening the can, it is recommended to use **HTX COOLANT CI** within the following 12 months and to keep the product away from heat and humidity, in its original packaging.

